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to properly notice the publications which are appearing in its interests. We can only refer to the regular publications of the various Audubon Societies and Game Protective Associations which are listed in every issue, under 'Publications Received' and limit our notices to the less known or special publications.

Among those before us at present there is a creditable little pamphlet on 'Bird Study' by J. W. Hungate, issued by the State Normal School of Cheyney, Wash., and the attractive 'Year Book' of the Hartford Bird Study Club, Conn., while mention should be made of the Game Laws for 1917, issued by the U. S. Dept. of Agriculture which every hunter must have.—W. S.

Mullens and Swann's Bibliography of British Ornithology.¹—This valuable work has reached completion by the issue of part six. This together with part five which appeared some months ago contain some exceedingly interesting biographies. Gilbert White, Bowdler Sharp, Tristram, Salvin, Saunders, Seebohm and many others, are familiar names to American ornithologists, and it is a satisfaction to find out something about the details of their lives and achievements.

The complete volume forms a necessary work of reference for every ornithological library, while thanks to the efforts of the publishers, it is a piece of book making of which everyone may well be proud.—W. S.

The Ornithological Journals.

Bird-Lore. XIX, No. 5. September–October, 1917.

The Summer Life of the Virginia Rail. By Verdi Burtch.—With excellent photographic illustrations.

American Egrets in New York City. By Clark L. Lewis, Jr.—Three birds came to Van Cortland Park and remained for a number of weeks, one of them until October 10.

Nesting Habits of the Cliff Swallow. By Manley B. Townsend.—Seem to prefer unpainted buildings but not exclusively.

The plumages of the Barn Swallow and Martin are discussed by F. M. Chapman, with an attractive colored plate by Fuertes.

Bird-Lore, XIX, No. 6, November–December, 1917.

Winter Visitors to City Park, Denver, Colo. By J. D. Figgins.—Excellent photographs of the Bohemian Waxwing.

Taming the Evening Grosbeaks. By Edith K. Dunton.

A Remarkable Martin Roost in the City of Washington. By Harry C. Oberholser.

¹A Bibliography of British Ornithology from the earliest times to the end of 1912. By W. H. Mullens and H. Kirke Swann. Macmillan and Co., Ltd: London, 1917. Parts V and VI.

The Migration of North American Birds. By Harry C. Oberholser. Covers five species of swallows, and continues the work carried on in these pages for several years by the late Prof. Cooke.

Notes on the plumage of North American Birds. By Frank M. Chapman.—Completes the Swallows. An admirable plate by Fuertes accompanies the article.

The Educational Leaflet treats of the Pileated Woodpecker and the bulk of the number is taken up with the annual report of the Audubon Societies.

The Condor. XIX, No. 5. September–October, 1917.

Notes on the Nesting Habits of the Clarke Nutcracker in Colorado. By W. C. Bradbury.

Red Letter Days in Southern California. By Florence Merriam Bailey.

Botta's Visit to California. By T. S. Palmer.—An interesting historical paper fixing more accurately the type localities of the first birds described from California.

Some Birds of the Davis Mountains, Texas. By Austin Paul Smith.—An annotated list of 45 species.

A New Race of Fox Sparrow, from the Vicinity of Mono Lake, California. By Joseph Grinnell and Tracy I. Storer.—*P. i. monoensis*, with a slightly smaller bill than *P. i. megarhyncha* of the western slope of the Sierra Nevada.

The Wilson Bulletin. XXIX, No. 3. September, 1917.

The Birds of Denver. By W. H. Bergtold.—187 species listed.

Horned Larks in the Province of Quebec. By L. McI. Terrill.

Annotated List of the Water Birds, Game Birds and Birds of Prey, of Sac County, Iowa. By J. A. Spurrell.

The Oölogist. XXXIV, No. 9. September, 1917.

Some Interesting Birds of the Judith Basin, Montana. By P. M. Silloway.

Nesting of the Prairie Horned Lark [in Mass.]. By H. O. Green.

Bendire's Crossbill [Nesting] in Kansas. By A. S. Hyde.

The Oölogist. XXXIV, No. 10. October, 1917.

Bird Collecting in Eastern Colombia. By Paul G. Howes.—Continued in November.

The Ibis. X Series. V, No. 4. October, 1917.

On a New South American Jay of the Genus *Cyanolyca*. By W. L. Slater.—*C. viridicyanea cuzcoensis* from Cuzco (p. 465).

Notes on the Birds of Malta. By G. Despott.—Concluded, total number of species 341.

Birds of the Ancre Valley [France]. By Lt. J. N. Kennedy.

Birds of the Suez Canal Zone and Sinai Peninsula. By Capt. A. W. Boyd.

Further Notes on the Birds of the Province of Fohkien in Southeast China. By J. D. D. La Touche.

The Birds of Dirk Hartog Island and Peron Peninsula, Shark Bay, Western Australia, 1916–17. By T. Carter; with Nomenclature and

Remarks by G. M. Mathews.—*Calamanthus campestris peroni* (p. 586) subsp. nov. *Oreoica cristata lloydi* (p. 608).

Bulletin of the British Ornithologists' Club. CCXXVII. October 30, 1917.

The following new forms are described: By Lord Rothschild, *Melanoperdix nigra borneensis* (p. 3). By Charles Chubb, *Chamæpetes fagani* (p. 4), W. Ecuador; *Penelope brooki* (p. 5) Bæza, Ecuador; *Columba ogilviegranti* (p. 5), Peru. By Dr. Hartert, *Sylvia deserticola maroccana* (p. 6), W. Morocco; *Ardea cinerea firasa* (p. 6), Madagascar; *Æthopyga seheriae tonkinensis* (p. 7), Tonkin. By E. C. Stuart Baker, nine forms from India and Siam.

British Birds. XI, No. 4. September, 1917.

Notes on Zonal Distribution in the Mountains of Latium, Italy. By C. J. Alexander.—Five zones are recognized; Mediterranean, Submountain (Chestnut), Mountain (Beech), Subalpine and Alpine. The paper is an important contribution to the zoögeography of Europe.

The Moults and Sequence of Plumages of the British Waders. By Annie C. Jackson. Part II.—Continued in October.

British Birds. XI, No. 5. October, 1917.

Observations on Birds Singing in their Winter Quarters and on Migration. By C. J. Alexander.

British Birds, XI, No. 6, November, 1917.

On Newly Discovered Irish Colonies of Roseate and Sandwich Terns. By. C. J. Carrol.

John Hunt. By H. S. Gladstone. A biography.

Avicultural Magazine. VIII, No. 12. October, 1917.

A Visit to the Zoo Eighty Years Ago. By Dr. E. Hopkinson.

The Secretary Bird and Mantell's Apteryx. By Graham Renshaw.—Interesting accounts of these birds in the London Zoo.

The Great Bird of Paradise on the Island of Little Tobago. By Sir Wm. Ingram.—Diary of the caretaker who is looking after the birds which were introduced some eight years ago and which are now reported to have greatly increased.

Avicultural Magazine. IX, No. 1. November, 1917.

Birds in Macedonia. By Capt. B. E. Potter.

The Emu. XVII, Part 2. October, 1917.

The Yellow-breasted Bush-Chat (*Ephthianura crocea*). By A. J. Campbell.—With colored plate.

Ornithologists in North Queensland. By Capt. W. Macgillivray.—Account of an exploration of the open forests on the Claudie River, 1913.

Observations on the Genus *Hylacola* (Ground Wrens). By F. E. Howe.

Australian Ibises. By W. H. D. LeSouef.

The Nestlings of Australian Finches: What do we Know about Them? By G. M. Mathews.

Revue Française d'Ornithologie. IX, No. 100-101. August-September, 1917. [In French.]

Anomalies and Individual Variations in Birds. By E. Anfrie.— Continued in October.

Contribution to a Study of the Changing Habitats of Shore Birds. By M. R. Deschiens.— Continued in October.

Ardea. VI, No. 2. August, 1917. [In Dutch.]

Leguatia gigantea. By A. C. Oudemans.— An extended account of this extinct species.

Messenger Ornithologique. VII, No. 2. [In Russian.]

On the Birds of the Far East. By S. A. Buturlin.— Continued.

Preliminary List of Birds Observed in the Sochi District of the Black Sea Province. By A. Koudashev.

Alauda arvensis kiborti subsp. nov. By I. M. Zaliesski (p. 125).

Ornithological Articles in Other Journals.

Macnamara, C. The Purple Martin. (Ottawa Naturalist, August–September, 1917.)— A detailed study of a colony, at Arnprior, Ont.

Millais, J. G. Brent Geese in Scotland. (Scottish Naturalist, September, 1917.)

Clarke, W. Eagle. Wild Life in a West Highland Deer Forest. (*Ibid.*, November, 1917.)

Beck, Rollo H. Bird Photographing on the Falkland Islands. (American Museum Journal, November, 1917.)— A wonderful series of pictures of Penguins, Gulls, Cormorants, Albatrosses and Sheath-bills taken by Mr. Beck, while collecting sea birds for the Brewster-Sanford Collection at the American Museum of Natural History.

Crandall, Lee S. Our Emu Family. (Zool. Soc. Bulletin, September, 1917.)— Account of the Emus in the New York Zoo.

Crandall, Lee S. The Australian Bird Collection. (*Ibid.*)

Burge, W. E. Comparison of the Catalase Content of the Breast Muscle of Wild Pigeons and of Bantam Chickens. (Science, November 2, 1917.)— Energy for muscular work is generally conceded to be derived from oxidation of food materials. Catalase is an enzyme which liberates oxygen from hydrogen peroxide. The investigation here described showed that the breast muscles of the pigeons which were accustomed to extensive flight liberated far more oxygen than did those of the Bantams which were unaccustomed to flight, while in Pigeons kept in confinement the amount of catalase decreased. This would indicate that catalase “may play a rôle in the oxidative processes of the body.” As is frequently the case with those not interested in systematic zoölogy Mr. Burge gives one no idea what his “wild pigeons” may have been. They were certainly not the bird popularly known by that name.

McMahon, Walt F. The Protection of America's Bird Life. (Forest and Stream, November, 1917.)

Oberholser, H. C. Diagnosis of a New Pycnonotine Family of Passeriformes. (Jour. of the Washington Academy of Sciences, VII, No. 17.)—